JURALCO

JURALCO INTERCEPT®
ROLLERSHUTTER SYSTEM

Juralco Intercept® Rollershutter System

Juralco Aluminium Building Products Ltd designs and distributes specialist aluminium joinery systems through a national network of franchised fabricators and agents.
For more than 25 years we have been at the forefront of specialist aluminium door and window products suitable for New Zealand joinery and building methods. Our comprehensive product range includes security and insect screens, balustrades and gates, shutters and awnings, shower screens, wardrobe doors and organisers and internal doors.

Intercept® Roller Shutters are constructed from heavy-duty aluminium profiles which roll down to protect windows and doors. Strong inter-locking profiles and deep side channels resist forced entry by intruders, reduce noise levels by up to 50% and offer storm protection. They are also especially suitable for smaller commercial, marine and cabinet applications. All Intercept roller shutters are available either in a manual spring balanced operation or with high quality tubular motors and are custom-made to size in a variety of powder-coat finishes.

General Description

- The Rollershutter system is designed to fit small to mid sized openings up to 3.5mt wide and up to 3.25mt high.
- Typical applications include Security, Marine Hatches, Display Cabinets, Bars and Serverys and Lockable storage areas.
- Curtain finishes - Powdercoat
- The door is supplied pre assembled, consisting of a Curtain package and two side guides.
- **Headbox -** A folded galvanised headbox in 5 x sizes, available in a range of powdercoat colors
    Easily removed Front cover to provide access for installation or maintenance.
- **Axle Assembly** - 60mm or 70mm Octagonal steel axle, depending on curtain weight. Mounting brackets and axle holders.
- **Rollershutter curtain** - Four styles available - see below and next page.
- **Drive - Manual -** A torsion spring fitted inside the axle assists the operator to raise/lower the curtain.
     It is fitted and pre-tensioned before delivery.
- **Drive - Motorised -** A torsion spring fitted inside the axle plus an inline tubular motor raise/lower the curtain automatically.
     The motor is wired to a 3 position switch (up-off-down) supplied. Remote wireless controls available.
- **Side Guides -** A 58mm x 22mm extruded aluminium side guide for shutters up to 2mt wide . A 72mm x 22mm for shutters
     over 2mt wide. These run full height on both sides.
- **Bottom Rail** - An 50mm extruded bottom rail with detachable back plate.
     A keyed locking system fits within this rail which can be incorporated at the bottom of the curtain

Note - Juralco 40mm Double Wall Slat has been tested for Faceload resistance by BRANZ - see Test Report STR 343

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Important information - Powder Coating systems.

Powdercoat Systems The new standard Dulux powder coating system used by Juralco is Duralloy Plus®. Also Duralloy® and Duratec®.
Juralco Powder coated prices are for Duralloy Plus® and Duralloy® (same pricing). Duratec® prices on application.
The following specs apply to Building Exteriors.
- Dulux Duralloy Plus® powder coating systems are suitable for properties greater than 10m from high tide level.
  Residential and Light commercial buildings, 3 levels max. Warranty 15 yrs
- Dulux Duratec® powder coating systems are suitable for properties greater than 10m from high tide level
  All Residential and Commercial buildings. Warranty 25 yrs.

Attachment to structures   A PVC Tape or similar material spacer must be used to separate powder coated aluminium items from all concrete
 and steel structures. Failure to do so can lead to the chemicals in the structure affecting the powder coating, leading to corrosion.

Swimming Pools The chlorinated water in swimming pools can cause the deterioration of powder coated surfaces, leading to corrosion
of the underlying surface. It is recommended that Powder coated surfaces be 1200mm min from a pool.

Care The Dulux powder coating warranty period is conditional upon the surface being maintained
in accordance with the Dulux 'Care and Maintenance Instructions'. Download from Dulux or refer to the back page of this manual.

Curtain Types, Finishes	All types available in Powdercoat

25mm Curved Wall

40mm Twin Wall
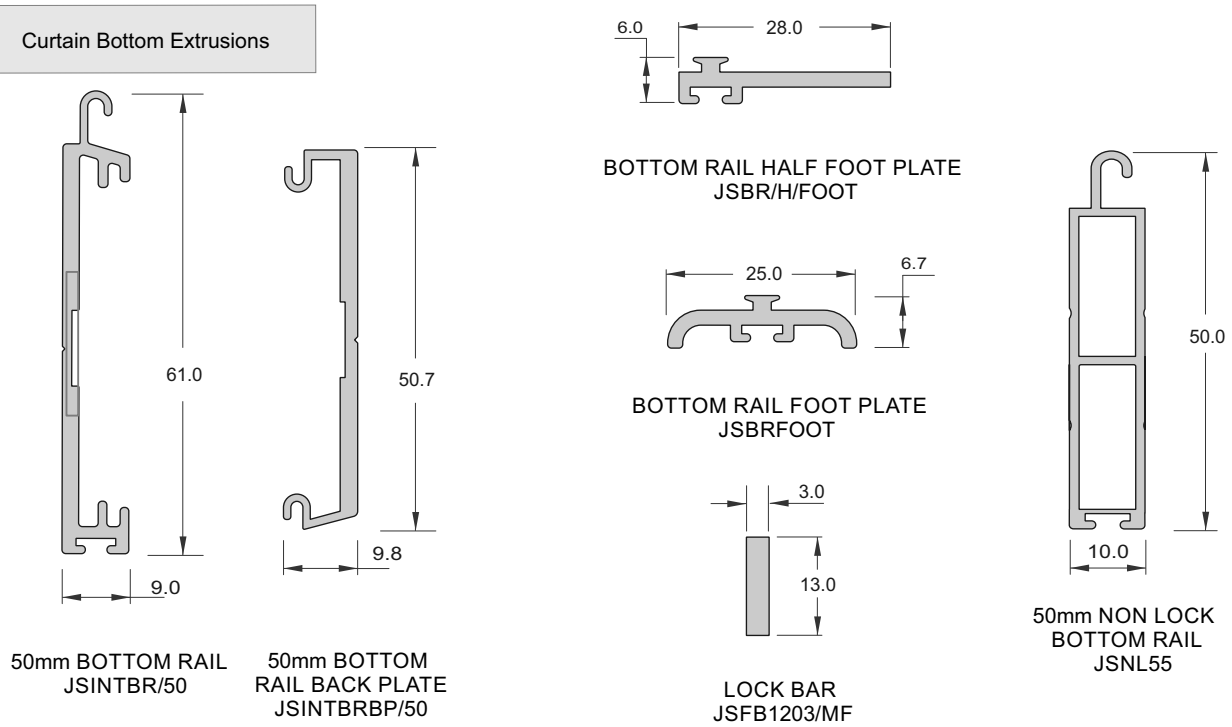
40mm Twin Wall, Vented
Vent holes only show when
Curtain partly open.
All closed off when fully down.

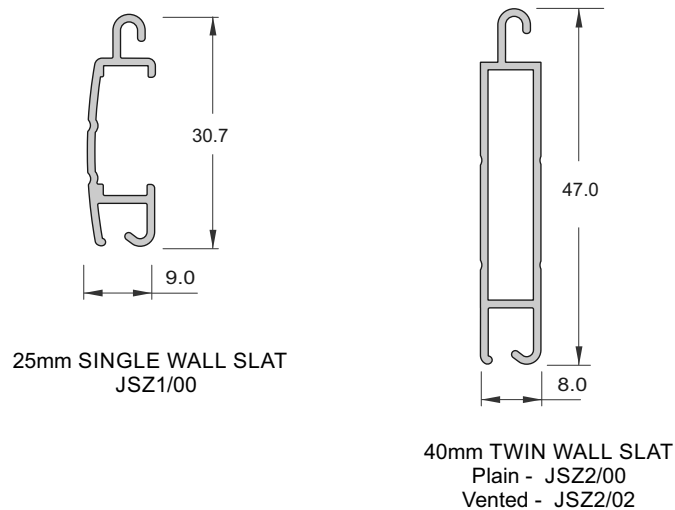## Curtain Bottom Extrusions

6.0 28.0

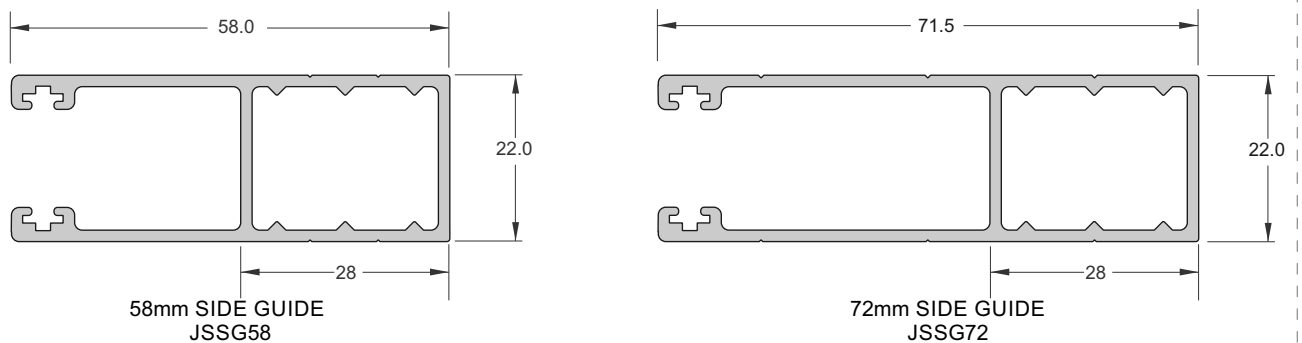**BOTTOM RAIL HALF FOOT PLATE**
JSBR/H/FOOT

25.0 6.7

BOTTOM RAIL FOOT PLATE
JSBRFOOT

3.0

13.0

LOCK BAR
JSFB1203/MF

61.0

9.0

50mm BOTTOM RAIL
JSINTBR/50

50.7

9.8

50mm BOTTOM
RAIL BACK PLATE
JSINTBRBP/50

50.0

10.0

50mm NON LOCK
BOTTOM RAIL
JSNL55

Curtain Extrusions

30.7

9.0

25mm SINGLE WALL SLAT
JSZ1/00

47.0

8.0

40mm TWIN WALL SLAT
Plain - JSZ2/00
Vented - JSZ2/02

Side Guide Extrusions

58.0

22.0

28

58mm SIDE GUIDE
JSSG58

71.5

22.0

28

72mm SIDE GUIDE
JSSG72

Juralco Intercept® Rollershutter Systems - Components

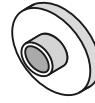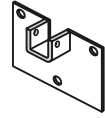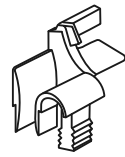|			
60mm Axle Bearing Holder JKGL2/02	**70mm Axle Bearing Holder** JSL2/06	**Bearing** JKG6C35802	**Spring Support Brkt** JKG1003/SQ
Plastic End Plugs 40mm JSP4/40	**Plastic End Plugs 25mm** JSP4/45	**Wool Pile** JSINTMH/THICK	**Entry Guide - 40mm Std** JSC3/57/WH
Conical Stop JSD1/02	**Centre Mullion,** **Black Nylon** JKG1004/INTERCEPT	**Side Guide Fixing Screw** JKG/SGSCREW.1.5	**Gearbox Handle** JDA/403 0431 1200mm
D Handle JSDHANDLE/CP	**Lock** JSE3/05	**Lock Bar Support** JSBR/LBSUP For use with 50mm Bottom Rail Part No JS INTBR/50	**Gearbox Handle** **Clip** JDA/402 6500 For use with Manual Override Motors
Motor Manual O/Ride JNICE/MOEYE/350 Eyebolt with 7 mm handcrank			
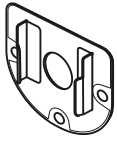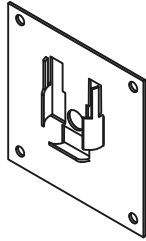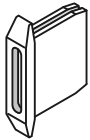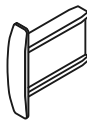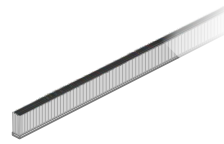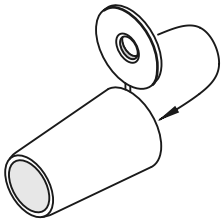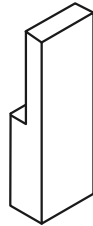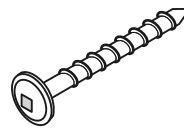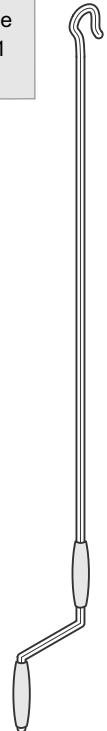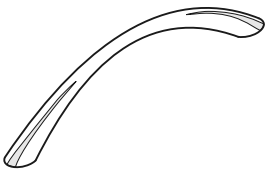
Octagonal Axle 70mm
JKGV6B4470
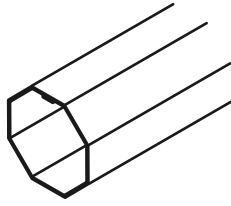
Nylon Adapter Wheel 70mm
JKGK2/06
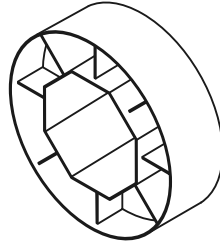
Adjustable End Cap 70mm
JKGK1/19
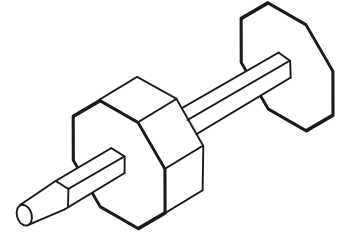
Octagonal Axle 60mm
JKG6B44260
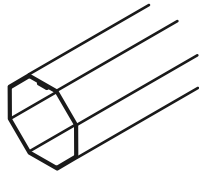
Nylon Adapter Wheel 60mm
JKGK2/02
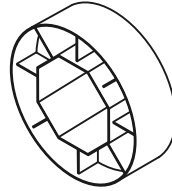
Adjustable End Cap, 60mm
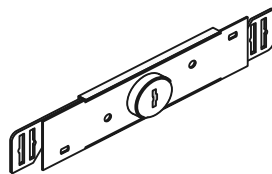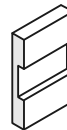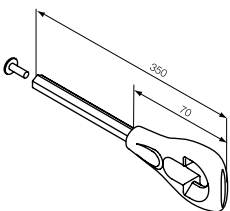JKGK1/20
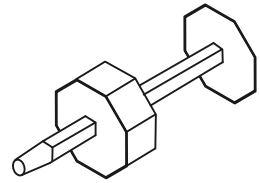
Spring End cap, 60mm
JKG756E2260
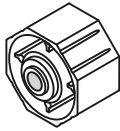
Spring Drive Wheel, 60mm
JKG756E1260
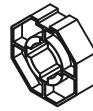
Security Spring, Felted
JSH1/170F

Spring End cap, 70mm
JKG756E2270
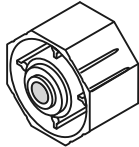
Spring Drive Wheel, 70mm
JKG756E1270
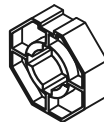
Headbox Ends (LH+RH)
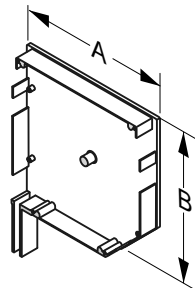
JS03/20 - 150mm
JS03/30 - 165mm
JS03/40 - 180mm   (A and B)
JS03/50 - 205mm
JS04/60 - 250mm

Headbox Pelmets

Top Pelmet
- 24g Zincalume Steel
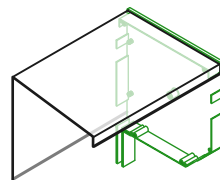
Front Pelmet
- 24g Zincalume Steel

JSHB/90/150 - 150mm	JSHB/45/150 - 150mm
JSHB/90/165 - 165mm	JSHB/45/165 - 165mm
JSHB/90/180 - 180mm	JSHB/45/180 - 180mm
JSHB/90/205 - 205mm	JSHB/45/205 - 205mm
JSHB/90/250 - 250mm	JSHB/45/250 - 250mm

Min Headbox Sizes

25, 40mm Slat	Height From - To	750-1000	1001-1750	1751-2250	2251-2750	2751-3000
	Head Box min	150	165	180	205	250

Juralco Intercept® Rollershutter Systems - Extrusions Assemblies

Bottom Extrusions Locking (Spring) 1:1

50mm Bottom Rail Back Plate
JSINTBRBP/50

Lock Bar
JSFB1303/MF

Lock
JSE3/05

50mm Bottom Rail
SINTBR/50

Bottom Rail Foot Plate
JSBRFOOT

Wool Pile
JSINTMH/THICK
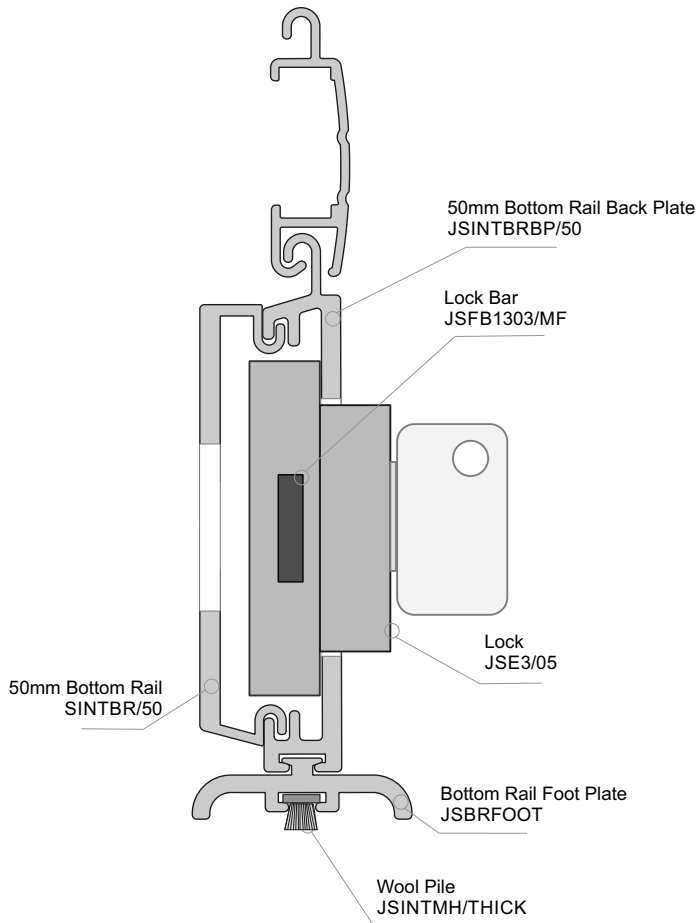
Bottom Extrusions Non Locking (Motor) 1:1

Selected Curtain

50mm Non Locking
Bottom Rail
JSNL55

Wool Pile
JSINTMH/THICK
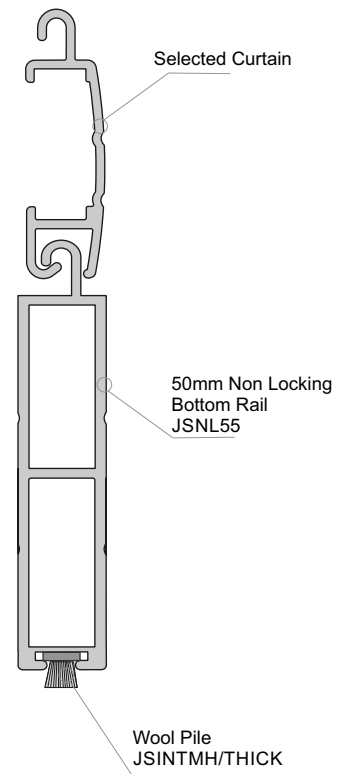
Typical Door Component Layout
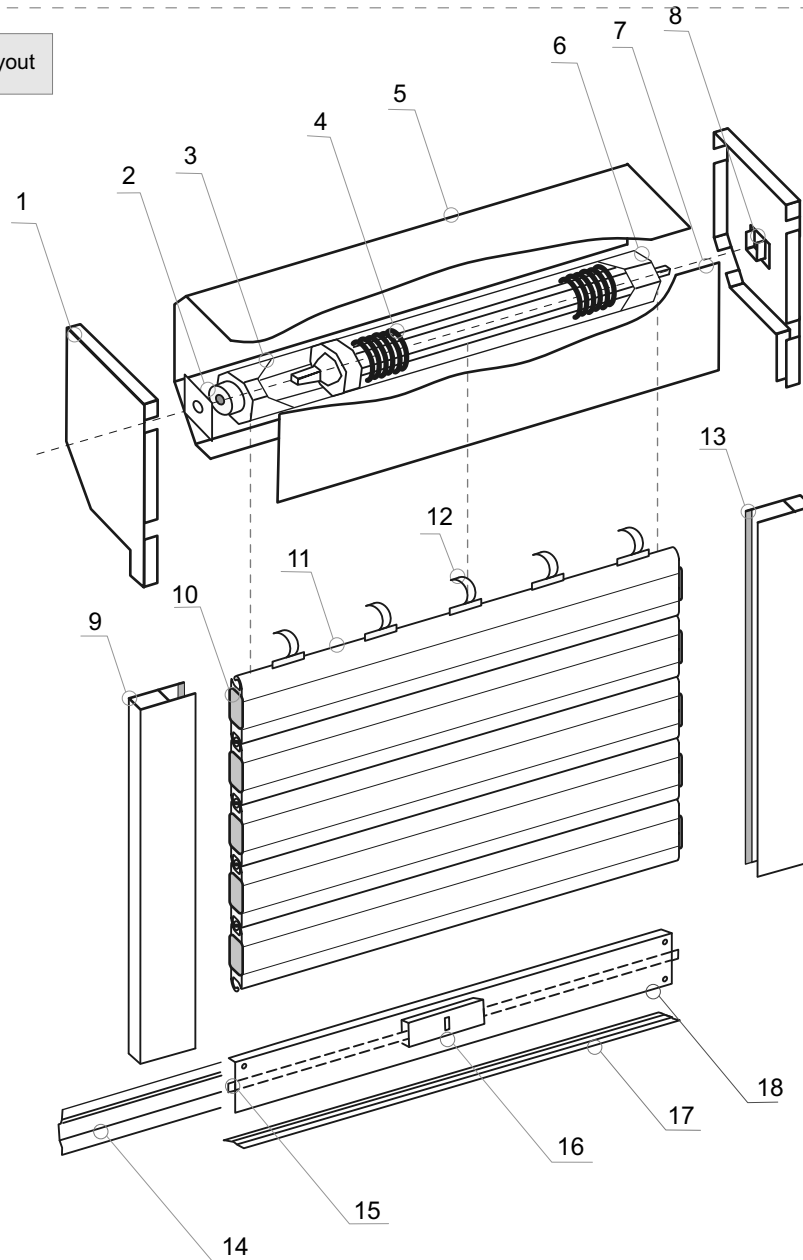
Components for Rollershutter, Manual Spring Balanced with 50mm Bottom Rail, Cover and Lock

	ITEM			ITEM
1	Headbox Ends 150,165, 180, 205, 250		**10**	Selected Nylon End Cap
2	Bearing + Bearing Holder		**11**	Selected Curtain - see above
3	Octagonal Hollow Steel Axle, 60mm or 70mm dia		**12**	Security Spring
4	Torsion Spring or Tubular Motor		**13**	Wool Pile
5	Head Box Front 150,165,180, 205, 250		**14**	Cover Plate for Bottom Rail
6	Octagonal Adjustable End Caps		**15**	Aluminium Lock Bar 13mm x 3mm
7	Head Box Back 150, 165,180, 205, 250		**16**	Bottom Rail Key Lock
8	Spring Support Bracket		**17**	Bottom Rail Footplate
9	Side Guide, 58mm or 72mm x 22mm		**18**	Bottom Rail

Juralco Intercept® Rollershutter Systems - Springs, Motors

Torsion Spring

Juralco Propriety Torsion Spring
Manufactured from12.5mm dia Chromed Steel Shaft,
Nylon drive wheels and Carbon Spring steel.
All to AS1472(2003) Range 2.
Finish - Phosphate coated
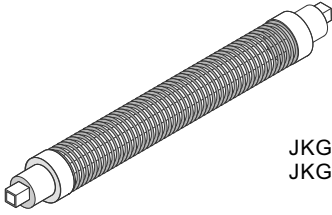
JKG31/66 Red
JKG31/117 Blue

Tubular Motors 45mm dia
JNICE ERA M
Models 3017 and 5012

Tubular Motor 45mm dia
Mechanical Limit switches

POWER CABLE
Length 2.5 m, 4 wires in cable

UP/DOWN PHASE
NEUTRAL
DOWN/UP PHASE
EARTH
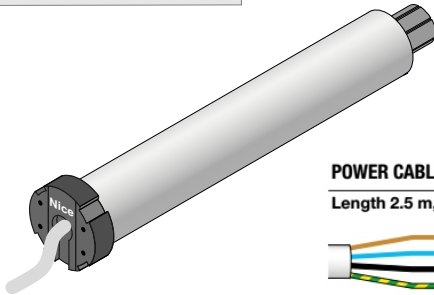
Tubular Motors 45mm dia
JNICE ERA MH
Model 5012 only

Tubular Motor 45mm dia
Mechanical Limit switches
Manual emergency Override

POWER CABLE
Length 2.5 m, 4 wires in cable

UP/DOWN PHASE
NEUTRAL
DOWN/UP PHASE
EARTH
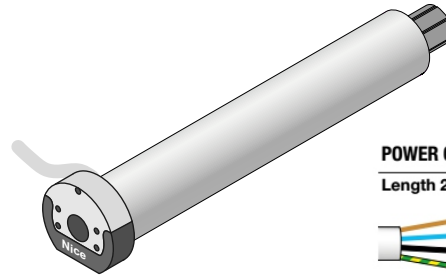
Tubular Motors 58mm dia
JNICE ERA L
Models 8012, 10012 and 12012

Tubular Motor 58mm dia
Mechanical Limit switches

POWER CABLE
Length 2.5 m, 4 wires in cable

UP/DOWN PHASE
NEUTRAL
DOWN/UP PHASE
EARTH
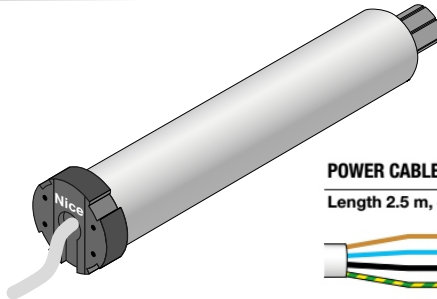
Tubular Motors 58mm dia
JNICE ERA LH
Models 8012, 10012 and 12012

Tubular Motor 58mm dia
Mechanical Limit switches
Manual emergency Override

POWER CABLE
Length 2.5 m, 4 wires in cable

UP/DOWN PHASE
NEUTRAL
DOWN/UP PHASE
EARTH
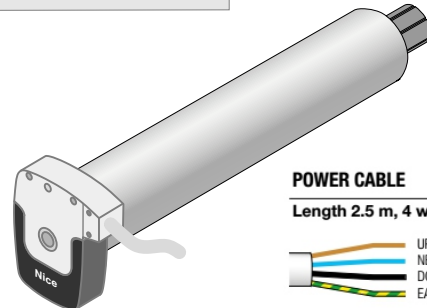
Motor Mount Brackets
JNICE/BRKT/ERAM
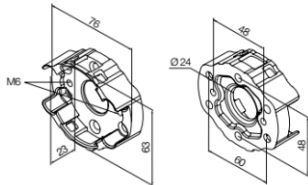
For 45mm dia Motors
Compact aluminium
 support. 2 x holes M6 at
 48 and 60mm CL

Motor Mount Brackets
JNICE/BRKT/ERAL
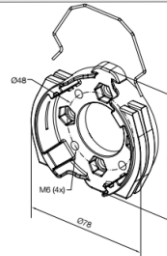
For 58mm dia Motors
Compact aluminium
 support. 4 x holes M6
& 4 x Hex seats for M6 nuts.
For ERA L 12012 motor use
all 8 x Fastening points

Drive Wheel and Crown
JNICE/45OCT60

Drive Wheel and Crown
JNICE/58OCT70

Manual Control — HPM Rotary Switch Controls

One switch per Single Motor only. Use relays if more than single Motor

Motor fully tested and Limits set at factory

Tubular Motors 45mm dia
JNICE ERA M 3017 and 5012
JNICE ERA MH 3017 and 5012

Tubular Motors 58mm dia
JNICE ERA L 8012, 10012 and 12012
JNICE ERA LH 8012, 10012 and 12012

Motor Power Cable

Length 2.5 m, 4 wires in cable

- UP/DOWN PHASE
- NEUTRAL
- DOWN/UP PHASE
- EARTH

Connections at Motor

- Black - Down (or Up)
- Brown - Up (or Down)
- Green/Yellow
- Blue

Active
Neutral
Earth
Mains 230V 50HZ

Brown — 3
Black — 1
C — 2

Connections at Rotary Switch
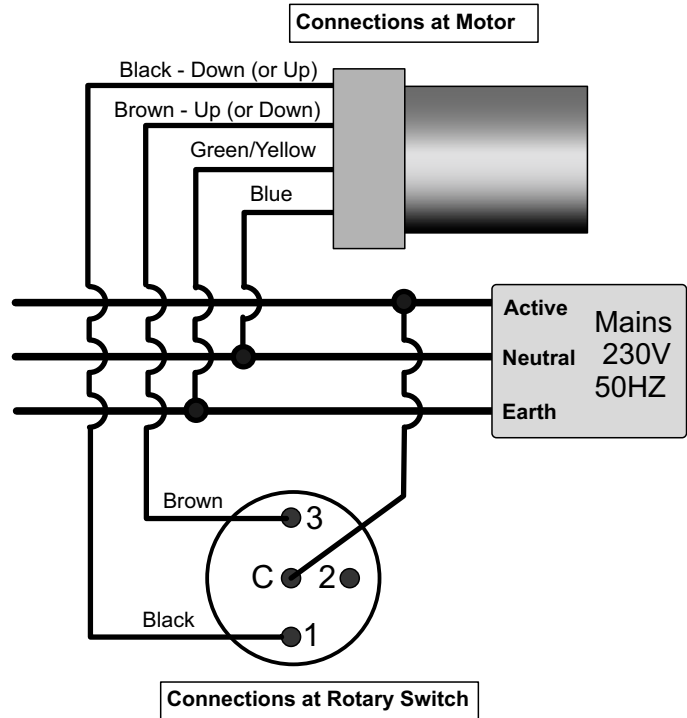
Remote Control — Wireless Controls BiDi

Motor fully tested and Limits set at factory

Wireless Remote Control
From your NiceWay controller

WM001G - 1 x Single or Multigroup
WM002G - 2 x Single or Multigroup
WM003G - 3 x Groups in Single or Multigroup
WM006G - 6 x Groups in Single or Multigroup

Tubular Motors 45mm dia
JNICE ERA M 3017 and 5012
JNICE ERA MH 3017 and 5012

Tubular Motors 58mm dia
JNICE ERA L 8012, 10012 and 12012
JNICE ERA LH 8012, 10012 and 12012

Motor Power Cable

Length 2.5 m, 4 wires in cable

- UP/DOWN PHASE
- NEUTRAL
- DOWN/UP PHASE
- EARTH

Connections at Motor

Connections on Circuit Board

02
01

- Black - Down (or Up)
- Brown - Up (or Down)
- Green/Yellow
- Blue

PE N L

Active
Neutral
Earth
Mains 230V 50HZ
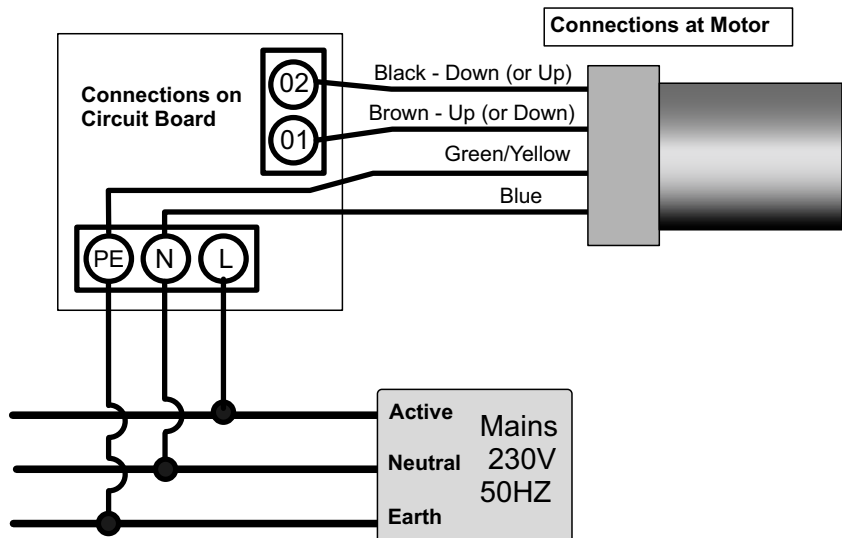
Juralco Intercept® Rollershutter Systems - In Line Motors and Controls

Manual Controls
Switch Controls

Wall Controls

3 position Rotary Wall Switch
Up - Off - Close
Cover Plate - SSW 770 CPSM
Switch -   SSW 770 RSB

Wireless
Remote Controls

Wireless Receiver

JNICE/BIDIAWNING. Nice controller for Wireless operation.Can be added to Switch operation and Manual override Motors to make for wireless control

Wireless
Remote Controls

Portable Wireless Transmitters

P1   P6   P18

P1   Portable transmitter to control 1 electrical load system or automation group

P6   Portable transmitter to control 6 electrical load systems or automation groups for activation in single or multigroup mode

P18 Portable transmitter to control 18 electrical load systems or automation groups for activation in single or multigroup mode

INTERCEPT® ROLLER SHUTTER | Order Form | RS

Customer	Contact
Order No	Date

WO Juralco   **SO** Juralco   **$** Juralco

Enter Dimensions   Enter details/selections into all boxes.   Then scan and send to sales@juralco.co.nz

(1) Enter Overall Measurements

Overall Height	

Overall Height, incl Headbox

Overall width	

Overall Width, to outside of Side guides

Side 1   Side 2

OH =
Overall Height incl Headbox

OW =
Overall Width incl Side Guides

Intercept Roller Shutter
Overall Height 1000min - 3000max,
Overall Width 1000min - 4000max

(2) Select Curtain Type

25mm Single Curved Wall	
40mm Twin Wall, Plain	
40mm Twin Wall, Vented	

(3) Select Mounting. Head Box, Side Guides

Face Mount	Reveal Mount	

From Height enter Headbox Size. Can be min or above

Headbox Size	**25, 40mm Slat**	Height From - To	750-1000	1001-1750	1751-2250	2251-2750	2751-3000
		Head Box min	150	165	180	205	250

(4) Tick box to select one only

Side Guides	Select
Side 1 - 58mm	
Side 1 -72mm	
Side 2 - 58mm	
Side 2 - 72mm	

(5) Tick box to select one only

Rollershutter Operation	Select
Manual/Spring asist operation	
Motor, Switched operation	
Motor, Switch + M/Overide	
Motor, Wireless operation	

(6) If Motor - Tick box to select

Motor Wireless Control	No
JNICE/Bidi Awning. Switch to Wireless	
P Portable Transmitters. P1, P6, P18	

(7) **This Section Motor Operation only**
Tick box to select

Motor Position	Select
Motor at Right End	
Motor at Left End	

Motor Position Viewed from

(8) Select Powder Coat Type and Colour

Duralloy Plus	
Duratec	

Specify PC Colour and Code

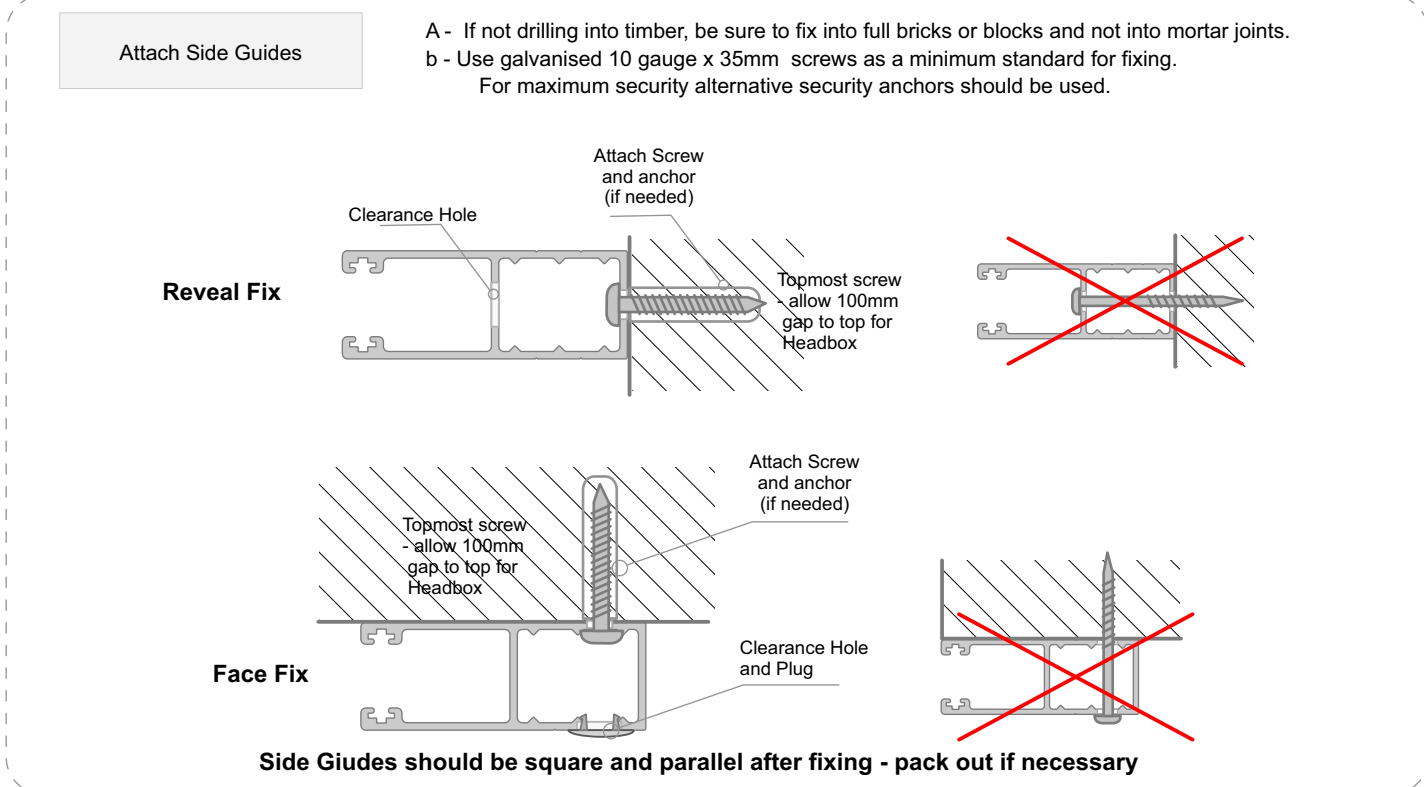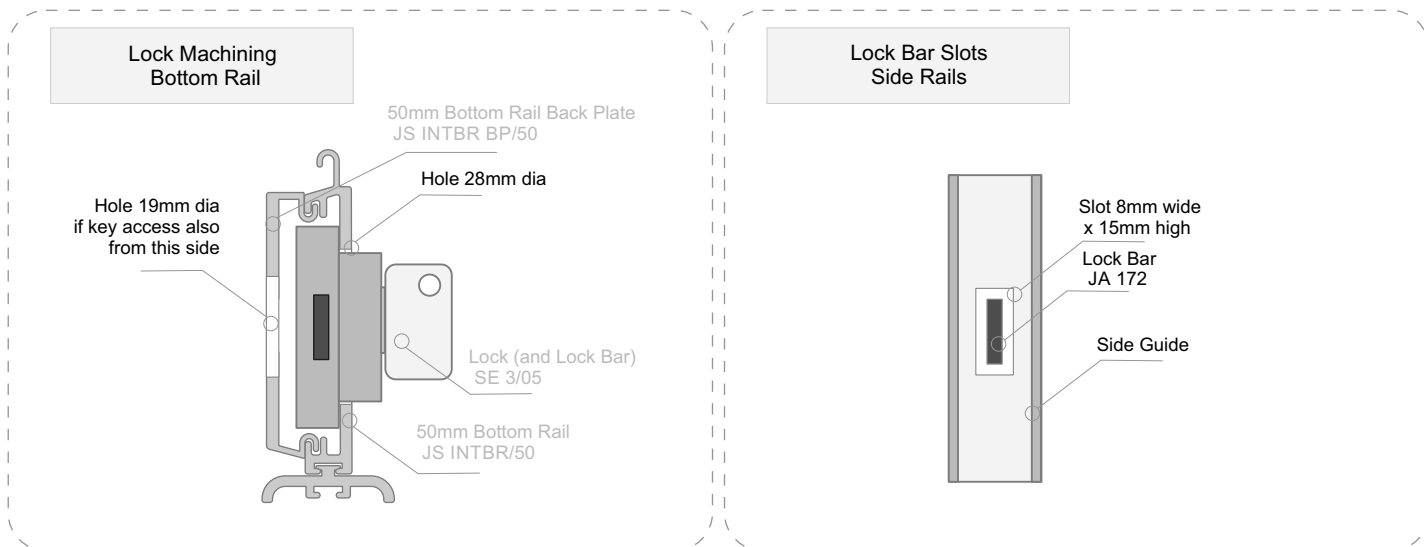Powder Coating not an Option for Econolink or Ultra Security. Both supplied as Natural Anodised

(9) Notes

Note: Prior to delivering to site, unpack and check all items

INSTALLATION HINTS

1 - RULE NO 1 - THINK, carefully before commencing the work. Carefully plan your work before commencing.
   The diligent installer should carefully inspect each opening and make certain where and how the shutter is to be affixed.
2 - RULE NO 2 - THINK, safety first.
3 - HANDY HINTS
a - Always keep some spare drill bits.
b - Have all drill bits ready sharpened before commencing work.
c - Have some touch-up paint with you.
d - Have a piece of flat aluminium sheet of 2mm to 3mm thickness. You may need to improvise on site.
e - Have a piece of side guide handy to help you space out and mark where to drill fixing holes.
f - Upon arrival at the work site, assign all the numbered componentry to each shutter and to each opening.
g - Test the Rollershutter to your satisfaction, adjust top and bottom limits, silicone spray inside the side guides.
      Test all controls and locks, that they work cleanly and smoothly.
h - Attach company labels and maintenance phone contacts in an obvious place.
i - Hand the customer any operating Manuals.
J - Always leave the installation (and site) in a clean and tidy condition.

Intercept Rollershutters are enclosed in Head boxes and are less prone to mechanical difficulties as the components used for the box have been carefully developed as a total system and not just part of a shutter. The front cover of the two-part box system is easily removed for installation, or subsequent servicing of the shutter, should the need arise. The boxes come in a range of colours to suit most homes and may even be repainted to suit the desires of the customer.

Lock Machining Bottom Rail

50mm Bottom Rail Back Plate
JS INTBR BP/50

Hole 28mm dia

Hole 19mm dia
if key access also
from this side

Lock (and Lock Bar)
SE 3/05

50mm Bottom Rail
JS INTBR/50

Lock Bar Slots Side Rails

Slot 8mm wide
x 15mm high

Lock Bar
JA 172

Side Guide

Attach Side Guides

A - If not drilling into timber, be sure to fix into full bricks or blocks and not into mortar joints.
b - Use galvanised 10 gauge x 35mm screws as a minimum standard for fixing.
      For maximum security alternative security anchors should be used.

Reveal Fix

Clearance Hole

Attach Screw
and anchor
(if needed)

Topmost screw
- allow 100mm
gap to top for
Headbox

Face Fix

Topmost screw
- allow 100mm
gap to top for
Headbox

Attach Screw
and anchor
(if needed)

Clearance Hole
and Plug

Side Giudes should be square and parallel after fixing - pack out if necessary

Attach Headbox

The sheet metal pelments are attached to the Headbox ends with two rivets on each face through the Head box tongues. The complete headbox is then fixed to the lintel either through the Top pelmet with screws every 400mm or by attaching an angle to the top of the pelmet and face fixing - depending on available fixing (Face fixing) or through the side guides (reveal fixing)

Top Pelmet

Pop Rivets x 4

Head Box End

Pop Rivets x 4

Bottom Pelmet

Side Guides

Note -
Top Pelmet attached at Factory.
Bottom Pelmet pre drilled, attached after installation and checking.
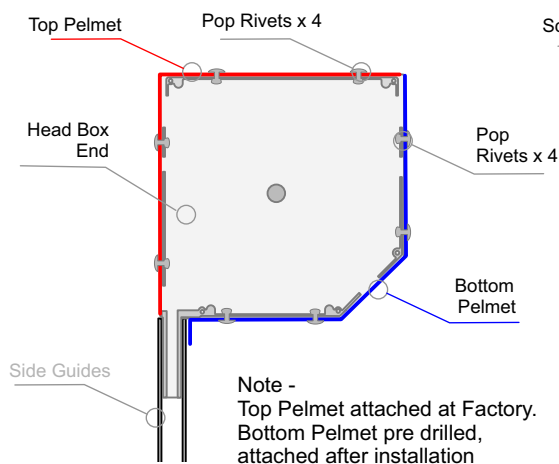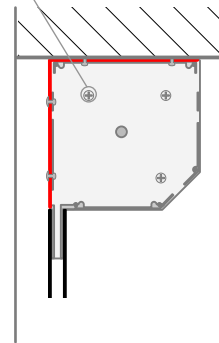
Pelmets, Headbox ends

Attach Headbox.
Attach 25x25x3 Angle (JA120/5) to Wall
Screw through Tabs
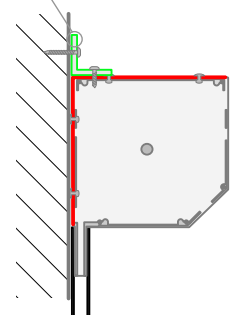
Face Fix 1

Attach Headbox,
Screw through Ends

Reveal Fix

Do not use Side guides/Headbox ends to support the weight of the Roller Shutter

Attach Headbox.
Screw throughTabs into lintel or similar

Face Fix 2

Security Spring

In order for the Security Spring to function correctly ie to prevent the curtain being forced up from the outside, the spring must be correctly positioned
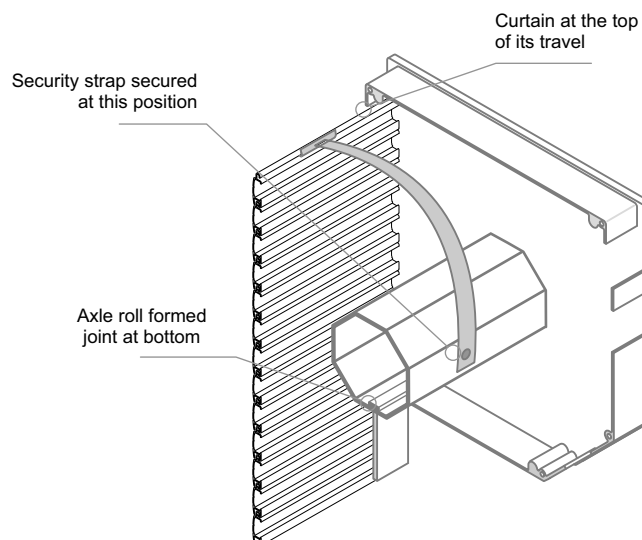
Curtain at the top of its travel

Security strap secured at this position

Axle roll formed joint at bottom

Powder Coating Installation Care

Warning re use of solvents:
- In some cases strong solvents are recommended for thinning various types of paints and also for cleaning up mastics and sealants.
- These can be harmful to the extended life of the powder coated surface, and must not be used for cleaning purposes.
- It is important to note that the damage will not be visible immediately and may take up to l2 months to develop.

If paint splashes or sealants and mastics need to be removed then the following may be safely used:
Methylated Spirits, Ethyl Alcohol, Isopropanol or preferably a mild detergent in warm water.

Joinery Protection during Installation:
All the activity on a construction site means that your powder coated items
may get knocked or scratched, splattered with mortar,
plaster, textured coating or paint during the later stages of construction.

Please ensure that all powder coated articles are masked or covered at this time.
It is far easier to prevent accidents than to try and correct them.
Should your joinery receive mortar or paint splashes see that these are removed
before cure and follow the instructions contained in this brochure.

Typical sticker used to warn
other trades of the need to
protect and mask off
powder coated joinery
(applies to anodised joinery also)

> **"IMPORTANT ALL TRADES"**
> This valuable aluminium joinery will suffer permanent damage from: plaster, mortar and paint splashes - Protect if splashes occur - Immediately wash down joinery with water or meths - Do not allow splashes to harden! ~ Do not use solvents! - Do not remove this label until final clean completed.

This photograph display damage that has occurred on site, post
installation. The photo of the masked joinery displays clear signs
of damage that could have occurred were it not masked. Please ensure that
your joinery is protected right through the entire construction process.

Powder Coating Maintenance

External - Maintenance Program:
To extend the life of external powder coated articles and to comply with warranty
requirements for powder coated aluminium joinery, a simple, regular
maintenance program must be implemented.
The effects of ultra violet light, atmospheric pollution, dirt, grime and
airborne salt deposits will all accumulate over time and must be removed
or surface staining and weathering will occur, leading to an unsightly appearance.

For external coatings, cleaning should take place every six months. In areas
where pollutants are more prevalent, such as beachfront houses and
industrial or geothermal areas, then a cleaning program should be carried
out on a more frequent basis ie. every one to three months.

Cleaning your powder coating:
1. Carefully remove any loose surface deposits with a wet sponge.
2. Use a soft brush (non abrasive) and a mild household detergent (do
not use solvents) in warm water, remove dust, salt and other deposits.
3. Rinse off with clean fresh water.

Restoring weathered or scratched surfaces:
Repair of Scuffed or Scratched surfaces
Dulux Spray Cans are available in all colour card colours.

Repair of Small Scratches or Chips.
Dulux Dabsticks are ideally suited for the repair of small scratches.
Dabsticks may not be available in all colour card colours.

Repair of Weathered areas .
Dulux Gloss Up is a light to medium cutting cream ideally
suited for gloss restoration and has been specifically designed for this purpose.
Gloss Up contains no waxes or silicone and is a one step system.

Contact Dulux Powder Coatings , ph 0064 9 441 8244